

SEQUENCE LISTING

<110> Gaudet, Daniel
 Rioux, John D.
 Arsenault, Steve
 Hudson, Thomas J.
 Daly, Mark J.

<120> Glycerol As A Predictor of Glucose
 Tolerance

<130> 2825.1022-003

<140> US 09/694,088

<141> 2000-10-20

<150> US 60/161,141

<151> 1999-10-22

<160> 23

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 60

<212> DNA

<213> Unknown

<220>

<223> Partial nucleic acid sequence of the GK gene
 comprising a polymorphic site at nucleotide
 position 13 of exon 3

<400> 1

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<210> 2

<211> 48

<212> DNA

<213> Unknown

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<223> Partial nucleic acid sequence of the GK gene
 comprising a polymorphic site at nucleotide
 position 17 of intron 8

<400> 2

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48

<210> 3

<211> 94

<212> DNA

<213> Unknown

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<223> Partial nucleic acid sequence of the GK gene
comprising a polymorphic site at nucleotide
position 29 of exon 10

<400> 3

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<212> DNA

<213> Unknown

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<223> Partial nucleic acid sequence of the GK gene
comprising a polymorphic site at nucleotide
position 22 of intron 12

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gaaattgggtg agtgtgttct aacaaaagkt tagaaaatct gaaaaatgac acatttca 58

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<211> 8079

<212> DNA

<213> Unknown

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<223> Glycerol kinase gene

<221> misc_feature

<222> 2214, 2215, 2216, 2217

<223> n = A,T,C or G

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<211> 41

<212> PRT

<213> Unknown

<220>

<223> GK N288D mutant

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Leu	Cys	Asp	Thr	Gly	His	Lys	Cys	Val	Phe	Ser	Asp	His	Gly	Leu	Leu
			20					25					30		
Thr	Thr	Val	Ala	Tyr	Lys	Leu	Gly	Arg							
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<210> 7

<211> 41

<212> PRT

<213> Homo sapiens

<400> 7

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Leu	Cys	Asn	Thr	Gly	His	Lys	Cys	Val	Phe	Ser	Asp	His	Gly	Leu	Leu
			20					25					30		
Thr	Thr	Val	Ala	Tyr	Lys	Leu	Gly	Arg							
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<210> 8

<211> 41

<212> PRT

<213> Unknown

<220>

<223> Rat

<400> 8

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Leu	Cys	Asn	Thr	Gly	His	Lys	Cys	Val	Phe	Ser	Glu	His	Gly	Leu	Leu
			20					25					30		
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<210> 9

<211> 41

<212> PRT

<213> Unknown

<220>

<223> Mouse

<400> 9

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Leu	Cys	Asn	Thr	Gly	His	Lys	Cys	Val	Phe	Ser	Glu	His	Gly	Leu	Leu
			20					25					30		
Thr	Thr	Val	Ala	Tyr	Lys	Leu	Gly	Arg							
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<210> 10
 <211> 39
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 <213> *E. coli*

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 20 25 30
 Thr Thr Ile Ala Cys Gly Pro
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<210> 11
 <211> 39
 <212> PRT
 <213> *Pseudomonas aeruginosa*

<400> 11
 Val Glu Pro Gly Gln Ala Lys Asn Thr Tyr Gly Thr Gly Cys Phe Leu
 1 5 10 15
 Leu Met His Thr Gly Asp Lys Ala Val Lys Ser Thr His Gly Leu Leu
 20 25 30
 Thr Thr Ile Ala Cys Gly Pro
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<210> 12
 <211> 39
 <212> PRT
 <213> *Enterococcus casseliflavus*

<400> 12
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 1 5 10 15
 Val Met Asn Thr Gly Glu Glu Pro Gln Leu Ser Asp Asn Asp Leu Leu
 20 25 30
 Thr Thr Ile Gly Tyr Gly Ile
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<210> 13
 <211> 41
 <212> PRT
 <213> *Haemophilus influenzae*

<400> 13
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 1 5 10 15
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 20 25 30
 Thr Thr Ile Ala Cys Asn Ala Lys Gly
 35 40

<210> 14
 <211> 39
 <212> PRT

<213> *Bacillus subtilis*

<400> 14

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Leu	Met	Asn	Thr	Gly	Glu	Lys	Ala	Ile	Lys	Ser	Glu	His	Gly	Leu	Leu
		20						25					30		
Thr	Thr	Ile	Ala	Trp	Gly	Ile									
		35													

<210> 15

<211> 41

<212> PRT

<213> *Saccharomyces cerevisiae*

<400> 15

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Leu	Tyr	Asn	Thr	Gly	Thr	Lys	Lys	Leu	Ile	Ser	Gln	His	Gly	Ala	Leu
		20						25					30		
Thr	Thr	Leu	Ala	Phe	Trp	Phe	Pro	His							
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<210> 16

<211> 41

<212> PRT

<213> *Mycoplasma genitalium*

<400> 16

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		20						25					30		
Thr	Thr	Val	Ala	Trp	Gln	Leu	Glu	Asn							
		35					40								

<210> 17

<211> 39

<212> PRT

<213> *Enterococcus faecalis*

<400> 17

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Val	Met	Asn	Thr	Gly	Glu	Glu	Pro	Gln	Leu	Ser	Lys	Asn	Asn	Leu	Leu
		20						25					30		
Thr	Thr	Ile	Gly	Tyr	Gly	Ile									
		35													

<210> 18

<211> 41

<212> PRT

<213> *Mycoplasma pneumoniae*

<400> 18
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 Thr Thr Val Ala Trp Gln Leu Glu Asn
 35 40

<210> 19
 <211> 41
 <212> PRT
 <213> Synechocystis PCC6803

<400> 19
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 20 25 30
 Ser Thr Val Ala Trp Thr Gln Thr Asn
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<210> 20
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> GK gene polymorphism

<400> 20
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12

<210> 21
 <211> 16
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> GK gene polymorphism

<400> 21
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16

<210> 22
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